Heckel, Hank (MYR)

From:

72902-46637773@requests.muckrock.com

Sent:

Wednesday, May 08, 2019 2:09 PM MayorSunshineRequests, MYR (MYR)

To: Subject:

California Public Records Act Request: April 28-May 4, 2019 Calendar - Immediate

Disclosure Request

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

May 8, 2019

This is an Immediate Disclosure Request under the San Francisco Sunshine Ordinance, made before close of business May 8, 2019.

** Note that all of your responses (including disclosed records) may be automatically and instantly available to the public on the MuckRock.com service used to issue this request (though I am not a MuckRock representative). **

We request under the San Francisco Sunshine Ordinance (Ordinance) and the California Public Records Act (CPRA):

"1. an electronic copy, in the original electronic format, with all calendar item headers, email addresses, metadata, timestamps, attachments, appendices, exhibits, and inline images, except those explicitly exempted by the Ordinance, of the Mayor's calendar, with all items, from April 28 to May 4, 2019 (inclusive)."

We remind you of your obligations to provide electronic records in the original format you hold them in. Therefore, calendars exported in the .ics, iCalendar, or vCard formats with all non-exempt headers, metadata, attachments, etc. are best. Such formats are easily exportable from Google Calendar, Microsoft Outlook, Microsoft Exchange or other common calendaring/email systems.

However, if you choose to convert calendar items, for example, to PDF or printed format, to easily redact them, you must ensure that you have preserved the full content of the original calendar item record (as specified in request "1"), which contains many detailed headers beyond the ones generally printed out. If you instead provide PDFs or printed items with only a few of the headers or lacking attachments/images, and therefore withhold the other headers/attachments without justification, you may be in violation of SF Admin Code 67.26, 67.27, Govt Code 6253(a), 6253.9, and/or 6255, and we may challenge your decision.

Please provide only those copies of records available without any fees. If you determine certain records would require fees, please instead provide the required notice of which of those records are available and non-exempt for inspection in-person if we so choose.

I look forward to your immediate disclosure.

Sincerely, Anonymous Filed via MuckRock.com

E-mail (Preferred): 72902-46637773@requests.muckrock.com

Upload documents directly:

https://accounts.muckrock.com/accounts/login/?next=https%3A%2F%2Fwww.muckrock.com%2Faccounts%2Flogin%2F%3Fnext%3D%252Faccounts%252Fagency_login%252Foffice-of-the-mayor-3891%252Fapril-28-may-4-2019-calendar-immediate-disclosure-request-

72902%252F%253Femail%253Dmayorsunshinerequests%252540sfgov.org&url_auth_token=AAAxJIlHIMv5WCJDSHoGRqLEvZI%3A1hOToC%3AZxoqEQ1u6tRb0KZAtaUyEN5NsAQ

Is this email coming to the wrong contact? Something else wrong? Use the above link to let us know.

For mailed responses, please address (see note): MuckRock News DEPT MR 72902 411A Highland Ave Somerville, MA 02144-2516

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Heckel, Hank (MYR)

From: MayorSunshineRequests, MYR (MYR)

Sent: Thursday, May 09, 2019 4:13 PM

72902-46637773@requests.muckrock.com; MayorSunshineRequests, MYR (MYR) To: Subject:

RE: California Public Records Act Request: April 28-May 4, 2019 Calendar - Immediate

Disclosure Request

Attachments: MuckRock Calendar Request 4-27 - 5-4.pdf

VIA ELECTRONIC MAIL. Requestor: Anonymous

Email: 72902-46637773@requests.muckrock.com

May 9, 2019

Re: Public Records Request received May 8, 2019

To whom it may concern:

This responds to your Immediate Disclosure Request below.

Response Dated April 24, 2019

Thank you for your inquiry. Please see attached the requested information.

This information has been provided in a PDF format for its ease of transferability and accessibility, consistent with Cal. Gov. Code 6253.9(a)(1). Moreover, pursuant to Cal. Gov. Code 6253.9 (f), an agency is not required to provide an electronic record in an electronic format that would jeopardize or compromise the security or integrity of the original record. The PDF format ensures the security and integrity of the original record.

Please also note that we are responding on behalf of the Mayor's Office only, and not on behalf of other city departments.

If you have any questions about your request or would like to submit another public records request, please feel free to contact us at mayorsunshinerequests@sfgov.org.

Best Regards,

Hank Heckel Compliance Officer Office of Mayor London N. Breed City and County of San Francisco

From: 72902-46637773@requests.muckrock.com [mailto:72902-46637773@requests.muckrock.com]

Sent: Wednesday, May 08, 2019 2:22 PM

To: MayorSunshineRequests, MYR (MYR) <mayorsunshinerequests@sfgov.org>

Subject: RE: California Public Records Act Request: April 28-May 4, 2019 Calendar - Immediate Disclosure Request

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May 8, 2019

This is a follow up to a previous request:

We remind you of your obligation under City of San Jose v Superior Court (2017) to search personal accounts/devices for calendar items regarding the public's business, as appropriate.

** Note that all of your responses (including disclosed records) may be automatically and instantly available to the public on the MuckRock.com service used to issue this request (though I am not a MuckRock representative). **

Filed via MuckRock.com

E-mail (Preferred): 72902-46637773@requests.muckrock.com

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72902%252F%253Femail%253Dmayorsunshinerequests%252540sfgov.org&url_auth_token=AAAxJIIHIMv5WCJDSHoGRqLEvZI%3A1hOU0U%3AnmnEixANjDyfWbvkZ6uZtNUkXgI

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For mailed responses, please address (see note): MuckRock News DEPT MR 72902 411A Highland Ave Somerville, MA 02144-2516

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On May 8, 2019:

This is an Immediate Disclosure Request under the San Francisco Sunshine Ordinance, made before close of business May 8, 2019.

** Note that all of your responses (including disclosed records) may be automatically and instantly available to the public on the MuckRock.com service used to issue this request (though I am not a MuckRock representative). **

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"1. an electronic copy, in the original electronic format, with all calendar item headers, email addresses, metadata, timestamps, attachments, appendices, exhibits, and inline images, except those explicitly exempted by the Ordinance, of the Mayor's calendar, with all items, from April 28 to May 4, 2019 (inclusive)."

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I look forward to your immediate disclosure.

Sincerely, Anonymous

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72902%252F%253Femail%253Dmayorsunshinerequests%252540sfgov.org&url_auth_token=AAAxJIlHIMv5WCJDSHoGRqLEvZI%3A1hOU0U%3AnmnEixANjDyfWbvkZ6uZtNUkXgI

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April 27, 2019			
8:45 AM - 9:15 AM	North Beach Farmers Market 2019 Season Open 699 Columbus Avenue, San Francisco, CA 94133		
11:55 AM - 1:25 PM	12th Annual McKinley Elementary School Dogfest Duboce Park, Noe Street at Duboce Avenue, Sar Francisco, CA 94114		
7:05 PM - 7:20 PM	A Banner of Love Gala: A Night in Venice St. Mary's Cathedral, 1111 Gough St., San Francisco		
	Ballroom		
3:40 PM - 9:00 PM	Beyond Differences Gala Terra Gallery, 511 Harrison Street, San Francisco		
April 28, 2019			
	Skyline Blvd, San Francisco, CA 94132		
7:00 PM - 7:30 PM	North Beach Citizens' Spring Dinner 666 Filbert Street, San Francisco CA 94133		
7:00 PM - 7:30 PM April 29, 2019	North Beach Citizens' Spring Dinner 666 Filbert Street, San Francisco CA 94133		
7:00 PM - 7:30 PM April 29, 2019 9:00 AM - 9:30 AM	Meeting Re: Staff Check In Remote Conference Call Attendees:		
April 29, 2019 9:00 AM - 9:30 AM	Meeting Re: Staff Check In Remote Conference Call		
April 29, 2019 2:00 AM - 9:30 AM 3:05 PM - 1:30 PM	Meeting Re: Staff Check In Remote Conference Call Attendees: - Mayor's Office Staff Meeting with President Yee Re: District 7 City Hall, Room 200, Mayor's Office Attendees: - President Yee, Supervisor for District 7, Board of Supervisors - Jen Lowe, Legislative Aide, Board of Supervisors		
April 29, 2019 2:00 AM - 9:30 AM 2:05 PM - 1:30 PM	Meeting Re: Staff Check In Remote Conference Call Attendees: - Mayor's Office Staff Meeting with President Yee Re: District 7 City Hall, Room 200, Mayor's Office Attendees: - President Yee, Supervisor for District 7, Board of Supervisors - Jen Lowe, Legislative Aide, Board of Supervisors - Mayor's Office Staff		
April 29, 2019	Meeting Re: Staff Check In Remote Conference Call Attendees: - Mayor's Office Staff Meeting with President Yee Re: District 7 City Hall, Room 200, Mayor's Office Attendees: - President Yee, Supervisor for District 7, Board of Supervisors - Jen Lowe, Legislative Aide, Board of Supervisors - Mayor's Office Staff Press availability re: MTA Director City Hall, Room 200 Meeting Re: Scheduling City Hall, Room 200, Mayor's Office Attendees:		

April 29, 2019 Continued

	- Harlan Kelly Jr., General Manager, San Francisco Public Utilities Commission
	 Larry Mazzola Jr., President (Plumbers & Pipe Fitters Local 38), Recreation and Park Commissioner
	 Sandra Duarte, Executive Assistant San Francisco Building and Construction Trades Council
	 Kim Tavaglione, Campaign Director San Francisco Labor Council Willie Adams, Port Commissioner Mayor's Office Staff
3:01 PM - 3:29 PM	Meeting Re: Government Affairs City Hall, Room 200, Mayor's Office Attendees:
	- Mayor's Office Staff
3:31 PM - 4:03 PM	Meeting Re: City Operations and Government Affairs City Hall, Room 200, Mayor's Office Attendees:
	- Mayor's Office Staff
4:10 PM - 4:55 PM	Meeting Re: Housing Bond with Supervisor Yee and Members of Housing Bond Working Group City Hall, Room 201
6:00 PM - 6:30 PM	Grace Cathedral Paris Sister City Event for Notre-Dame, Sri Lanka, Louisiana Churches, and Poway Synagogue Grace Cathedral, 1100 California Street
6:45 PM - 8:00 PM	Recode Decode Podcast Live Recording Manny's 3092 16th Street

April 30, 2019	
9:00 AM - 9:30 AM	Meeting Re: Staff Check In Remote Conference Call Attendees: - Mayor's Office Staff
10:35 AM - 10:50 AM	Public Works Week Awards and Pins Ceremony Moscone Center South, Third Floor, 747 Howard St.
12:00 PM - 12:30 PM	Telephone Interview with LA Times Reporter Heidi Chang Remote Conference Call Attendees: - Heidi Chang, Reporter, Los Angeles Times - Mayor's Office Staff
12:35 PM - 1:15 PM	Meeting Re: Budget City Hall, ROom 200, Mayor's Office Attendees: - Mayor's Office Staff

April	30,	2019	Continued
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1:34 PM - 1:50 PM Meeting Re: Town Hall Event -- City Hall, Room 200, Mayor's Office

Attendees:

Mayor's Office Staff

2:09 PM - 2:45 PM Meeting with San Francisco Latino Parity and Equity Coalition -- City Hall, Room 201

2:46 PM - 3:10 PM Meeting Re: Scheduling -- City Hall, Room 200, Mayor's Office

Attendees:

Mayor's Office Staff

3:10 PM - 3:33 PM Meeting Re: Government Affairs -- City Hall, Room 200, Mayor's Office

Attendees:

Mayor's Office Staff

May 1, 2019

9:00 AM - 9:30 AM Meeting Re: Staff Check In -- Remote Conference Call

Attendees:

Mayor's Office Staff

10:00 AM - 10:30 AM Live Phone Interview with KIQI -- Remote Conference Call

Attendees:

- Isabel Gutierrez, KIQI radio host

Marcos Gutierrez, KIQI radio host

Mayor's Office Staff

11:00 AM - 11:30 AM Fire Station 5 Ribbon Cutting -- Fire Station No. 5, 1301 Turk St

12:00 PM - 12:15 PM Jewish Vocational Service Strictly Business Luncheon -- San Francisco Marriott Marquis Hotel, 780 Mission

Street

2:04 PM - 2:43 PM Meeting Re: City Services and Operations -- City Hall, Room 200, Mayor's Office

Attendees:

Naomi Kelly, City Administrator, City and County of San Francisco

Heather Green, Capital Planning Director, City and County of San

Francisco

Mayor's Office Staff

2:43 PM - 2:46 PM Swearing In Ceremony for Frank Fung -- City Hall, Room 200, Mayor's Office

Attendees:

Frank Fung, Planning Commissioner

Aimee Fung, Daughter of Frank Fung

Mayor's Office Staff

May 1, 2019 Continued

2:46 PM - 3:13 PM

Meeting Re: City Services and Operations -- City Hall, Room 200, Mayor's Office

Attendees:

- Naomi Kelly, City Administrator, City and County of San Francisco
- Heather Green, Capital Planning Director, City and County of San

Francisco

Mayor's Office Staff

3:20 PM - 3:46 PM

Meet and Greet with Jamestown Community Center Youth -- City Hall, International Room

4:03 PM - 4:35 PM

Meeting Re: Public Safety -- City Hall, Room 200 Mayor's Office

Attendees:

- Chief William Scott, SFPD
- · Deirdre Hussey, Director of Policy and Public Affairs, SFPD
- Mayor's Office Staff

5:00 PM - 5:20 PM

Neighborhood Preference Program Tour and SFGovTV Interview -- 150 Van Ness

Attendees:

- Mario Watts, resident
- Josiah Watts, resident
- Kim Dubin, Mayor's Office of Community Housing and Development
- Max Barnes, Mayor's Office of Community Housing and Development
- Mayor's Office Staff

5:30 PM - 6:00 PM

Asian Pacific American Heritage Month Awards and Reception Celebration -- Herbst Theater, War Memorial Building, 401 Van Ness Avenue

May 2, 2019

9:00 AM - 9:30 AM

Meeting Re: Staff Check In -- Remote Conference Call

Attendees:

Mayor's Office Staff

12:04 PM - 12:25 PM

Lest We Forget Photo Exhibit for Holocaust Remembrance Day -- City Hall, Room 200, Mayor's Office

12:31 PM - 12:48 PM

Meeting re: Street Conditions -- City Hall, Room 200, Mayor's Office

Attendees:

- Chief William Scott, Chief of Police, San Francisco Police Department
- Dr. Grant Colfax, Director, Department of Public Health
- Mohammed Nuru, Director, Department of Public Works
- Jeff Kositky, Director, Department of Homelessness and Supportive Housing
- Mary Ellen Carrol, Director, Department of Emergency Management
- Mayor's Office Staff

May 2, 2019 Continued	
:31 PM - 2:11 PM	Meeting Re: Budget City Hall, Room 200, Mayor's Office Attendees:
	- Mayor's Office Staff
:14 PM - 2:34 PM	Meeting Re: Communications City Hall, Room 200, Mayor's Office Attendees:
	- Mayor's Office Staff
:34 PM - 3:07 PM	Meeting Re: Commissions City Hall, Room 200, MO Attendees:
	- Mayor's Office Staff
3:10 PM - 3:41 PM	Meeting with Civil Grand Jury City Hall, Room 201
3:42 PM - 3:49 PM	Meeting Re: Government Affairs City Hall, Room 200, Mayor's Office
	Attendees: - Kylecia Broom, Community Development Assistant, Mayor's Office of Housing and Community Development
	 Steven Gallardo, Displaced Tenant Housing Preference Program Coordinator, Mayor's Office of Housing and Community Development Mayor's Office Staff
5:30 PM - 6:00 PM	Alliance of Black School Educators Scholarship and Salute Banquet African American Art and Culture Complex, 762 Fulton Street, 3rd Floor
May 3, 2019	
9:00 AM - 9:30 AM	Meeting Re: Staff Check In Remote Conference Call Attendees: - Mayor's Office Staff
1:00 PM - 1:30 PM	Downtown Streets Team Mission Ribbon Cutting 3100 17th Street, San Francisco
May 4, 2019	

May 4, 2019 Continued

6:10 PM - 6:40 PM

The Association of Chinese Teachers 50th Anniversary Gala -- Scottish Rite Masonic Center, 2850 19th Avenue

U.S. | A Cyberattack Hobbles Atlanta, and Security Experts Shudder

The New York Times

A Cyberattack Hobbles Atlanta, and Security Experts Shudder

By Alan Blinder and Nicole Perlroth

March 27, 2018

ATLANTA — The City of Atlanta's 8,000 employees got the word on Tuesday that they had been waiting for: It was O.K. to turn their computers on.

But as the city government's desktops, hard drives and printers flickered back to life for the first time in five days, residents still could not pay their traffic tickets or water bills online, or report potholes or graffiti on a city website. Travelers at the world's busiest airport still could not use the free Wi-Fi.

Atlanta's municipal government has been brought to its knees since Thursday morning by a ransomware attack — one of the most sustained and consequential cyberattacks ever mounted against a major American city.

The digital extortion aimed at Atlanta, which security experts have linked to a shadowy hacking crew known for its careful selection of targets, laid bare once again the vulnerabilities of governments as they rely on computer networks for day-to-day operations. In a ransomware attack, malicious software cripples a victim's computer or network and blocks access to important data until a ransom is paid to unlock it.

"We are dealing with a hostage situation," Mayor Keisha Lance Bottoms said this week.

The assault on Atlanta, the core of a metropolitan area of about six million people, represented a serious escalation from other recent cyberattacks on American cities, like one last year in Dallas where hackers gained the ability to set off tornado sirens in the middle of the night.

Part of what makes the attack on Atlanta so pernicious are the criminals behind it: A group that locks up its victims' files with encryption, temporarily changes their file names to "I'm sorry" and gives the victims a week to pay up before the files are made permanently inaccessible.

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Threat researchers at Dell SecureWorks, the Atlanta-based security firm helping the city respond to the ransomware attack, identified the assailants as the SamSam hacking crew, one of the more prevalent and meticulous of the dozens of active ransomware attack groups. The SamSam group is known for choosing targets that are the most likely to accede to its high ransom demands — typically the Bitcoin equivalent of about \$50,000 — and for finding and locking up the victims' most valuable data.

In Atlanta, where officials said the ransom demand amounted to about \$51,000, the group left parts of the city's network tied in knots. Some major systems were not affected, including those for 911 calls and control of wastewater treatment. But other arms of city government have been scrambled for days.

The Atlanta Municipal Court has been unable to validate warrants. Police officers have been writing reports by hand. The city has stopped taking employment applications.

Atlanta officials have disclosed few details about the episode or how it happened. They have urged vigilance and tried to reassure employees and residents that their personal information was not believed to have been compromised.

Dell SecureWorks and Cisco Security, which are still working to restore the city's systems, declined to comment on the attacks, citing client confidentiality.

Ms. Bottoms, the mayor, has not said whether the city would pay the ransom.

The SamSam group has been one of the more successful ransomware rings, experts said. It is believed to have extorted more than \$1 million from some 30 target organizations in 2018 alone.

It is not ideal to pay up, but in most cases. Sam Sam's victims have said that they can more easily afford the \$50,000 or so in ransom than the time and cost of restoring their locked data and compromised systems. In the past year, the group has taken to attacking hospitals, police departments and universities — targets with money but without the luxury of going off-line for days or weeks for restoration work.

Investigators are not certain who the SamSam hackers are. Judging from the poor English in the group's ransom notes, security researchers believe they are probably not native English speakers. But they cannot say for sure whether SamSam is a single group of cybercriminals or a loose hacking collective.

Ransomware emerged in Eastern Europe in 2009, when cybercriminals started using malicious code to lock up unsuspecting users' machines and then demanding 100 euros or similar sums to unlock them again. Over the past decade, dozens of online cybercriminal outfits — and even some nation states, including North Korea and Russia — have taken up similar tactics on a larger scale, inflicting digital paralysis on victims and demanding increasing amounts of money.

Cybersecurity experts estimate that criminals made more than \$1 billion from ransomware in 2016, according to the F.B.I. Then, last May, came the largest ransomware assault recorded so far: North Korean hackers went after tens of thousands of victims in more than 70 countries around the world, forcing Britain's public health system to reject patients, paralyzing computers at Russia's Interior Ministry, at FedEx in the United States, and at shipping lines and telecommunications companies across Europe.

A month later, Russian state hackers deployed similar ransomware to paralyze computers in Ukraine on the eve of the country's independence day. That attack shut down automated teller machines in Kiev, froze government agencies and even forced workers at the Chernobyl nuclear power plant to monitor radiation levels manually. Collateral damage from that attack affected computers at Maersk, the Danish shipping conglomerate; at Merck, the American-based pharmaceutical giant; and even at businesses in Russia.

Attempted ransomware attacks against local governments in the United States have become unnervingly common. A 2016 survey of chief information officers for jurisdictions across the country found that obtaining ransom was the most common purpose of cyberattacks on a city or county government, accounting for nearly one-third of all attacks.

The survey, conducted by the International City/County Management Association and the University of Maryland, Baltimore County, also found that about one-quarter of local governments reported that they were experiencing attacks of one kind or another, successful or not, at least as often as once an hour.

Yet less than half of the local governments surveyed said they had developed a formal cybersecurity policy, and only 34 percent said they had a written strategy to recover from breaches.

Experts said government officials needed to be more aggressive about preventive measures, like training employees to spot and sidestep "phishing" attempts meant to trick them into opening the digital door for ransomware.

"It's going to be even more important that local governments look for the no-cost/low-cost, but start considering cybersecurity on the same level as public safety," said David Jordan, the chief information security officer for Arlington County, Va. "A smart local government will have fire, police and cybersecurity at the same level."

Ms. Bottoms, who took office as mayor of Atlanta in January, acknowledged that shoring up the city's digital defenses had not been a high priority before, but that now "it certainly has gone to the front of the line."

"As elected officials, it's often quite easy for us to focus on the things that people see, because at the end of the day, our residents are our customers," Ms. Bottoms said. "But we have to really make sure that we continue to focus on the things that people can't see, and digital infrastructure is very important."

During the ransomware attack, local leaders have sometimes been able to do little but chuckle at a predicament that was forcing the city to turn the clock back decades.

Asked on Monday how long the city might be able to get by doing its business strictly with ink and paper, Ms. Bottoms replied: "It was a sustainable model until we got computer systems. It worked for many years. And for some of our younger employees, it will be a nice exercise in good penmanship."

Security researchers trying to combat ransomware have noticed a pattern in SamSam's attacks this year: Some of the biggest have occurred around the 20th of the month.

Allan Liska, a senior intelligence analyst at Recorded Future who has been tracking the group, said in an interview that he believed that SamSam gains access to its victims' systems and then waits for weeks before encrypting the victims' data. That delay, Mr. Liska said, makes it harder for responders to figure out how the group was able to break in — and easier for SamSam's hackers to strike twice.

The Colorado Department of Transportation was able to restore its systems on its own after a SamSam attack, without paying SamSam a dime. But a week later, the hackers struck the department again, with new, more potent ransomware.

"They are constantly learning from their mistakes, modifying their code and then launching the next round of attacks," Mr. Liska said.

Alan Blinder reported from Atlanta, and Nicole Perlroth from Boulder, Colo.

A version of this article appears in print on March 27, 2018, on Page A14 of the New York edition with the headline: Atlanta Hobbled by Major Cyberattack That Mayor Calls 'a Hostage Situation'

READ 244 COMMENTS

The Washington Post

National

8 days after cyberattack, Baltimore's network still hobbled

By David McFadden | AP May 15 at 7:38 PM

BALTIMORE — More than a week after a cyberattack hobbled Baltimore's computer network, city officials said Wednesday they can't predict when its overall system will be up and running and continued to give only the broadest outlines of the problem.

Baltimore's government rushed to take down most computer servers on May 7 after its network was hit by ransomware. Functions like 911 and EMS dispatch systems weren't affected, officials say, but after eight days, online payments, billing systems and email are still down. Finance department employees can only accept checks or money orders.

No property transactions have been conducted since the attack, exasperating home sellers and real estate professionals in the city of over 600,000. Most major title insurance companies have even prohibited their agents from issuing policies for properties in Baltimore, according to the Greater Baltimore Board of Realtors.

Citing an ongoing criminal investigation, Baltimore's information technology boss Frank Johnson and other city leaders said Wednesday they could provide no specifics about the attack from the ransomware variant RobbinHood or realistically forecast when the various hobbled layers of the city's network would be back up.

"Anybody that's in this business will tell you that as you learn more those plans change by the minute. They are incredibly fluid," said Johnson, stressing that city employees, expert consultants and others were working "round the clock" to mend the breached network.

The FBI's cyber squad agents have been helping employees in Maryland's biggest city try to determine the source and extent of the latest attack.

Johnson's tenure has now included two major breaches to the city's computer systems. This month's problems come just over a year since another ransomware attack slammed Baltimore's 911 dispatch system, prompting a worrisome 17-hour shutdown of automated emergency dispatching. The March 2018 attack required operating the critical 911 service in manual mode.

Johnson is one of the city's highest paid employees, earning \$250,000 a year. That's more than the mayor, the city's top prosecutor and the health commissioner are paid. This latest attack came about a week after the firing of a city employee who, the inspector general said, had downloaded thousands of sexually explicit images onto his work computer during working hours.

While all municipalities are menaced by malware, cybersecurity experts say organizations that fall victim to such attacks often haven't done a thorough job of patching systems regularly.

https://www.washingtonpost.com/national/8-days-after-cyberattack-baltimores-network-still-hobbled/201... 5/17/2019

8 days after cyberattack, Baltimore's network still hobbled - The Washington Post

Asher DeMetz, lead security consultant for technology company Sungard Availability Services, suggested that eight days was a long time for a network to remain down.

"The City of Baltimore should have been prepared with a recovery strategy and been able to recover within much less time. That time would be dictated by a risk assessment guiding how long they can afford to be down," DeMetz said in an email. "They should have been ready, especially after the previous attack, to recover from ransomware."

City Solicitor Andre Davis said Baltimore was working "hand in glove" with the FBI, Microsoft officials, and expert contractors that he and other officials declined to identify. Before TV news crews, Davis likened the cyberattack to a brutal assault, a comparison that many residents can clearly understand in a city struggling to bring down one of urban America's highest rates of violent crime.

"My preferred way of thinking about it is: The city network was viciously assaulted by a culprit and seriously injured," Davis said. Baltimore's top lawyer portrayed the city network as an injured patient who has emerged from the ICU and faces a "long course of physical therapy."

Baltimore authorities, who hope to prosecute the culprit behind the latest attack, said they were in close contact with counterparts in Atlanta. Last year, a ransomware attack significantly disrupted city operations there and caused millions of dollars in losses. In December, two Iranian men already indicted in New Jersey in connection with a broad cybercrime and extortion scheme were indicted on federal charges in Georgia related to that ransomware attack demanding payment for a decryption key.

It's not clear what culprits are demanding from Baltimore's City Hall.

"We're not going to address or discuss in any way the ransom demand," Davis said.

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